MAKE ZÜRICH
GREEN AGAIN

OUR GOAL

To develop a portable, compact data collection unit (temp and humidity) that gardeners can easily pickup and place in the greenhouse they choose in the Sukkulentensammlung

HOW

Stadt Zürich
Grün Stadt Zürich

THE THINGS
NETWORK

WORKING TOGETHER WITH GRÜN STADT ZÜRICH

Mr Jonas Heimgartner - stakeholder Stadt Zürich

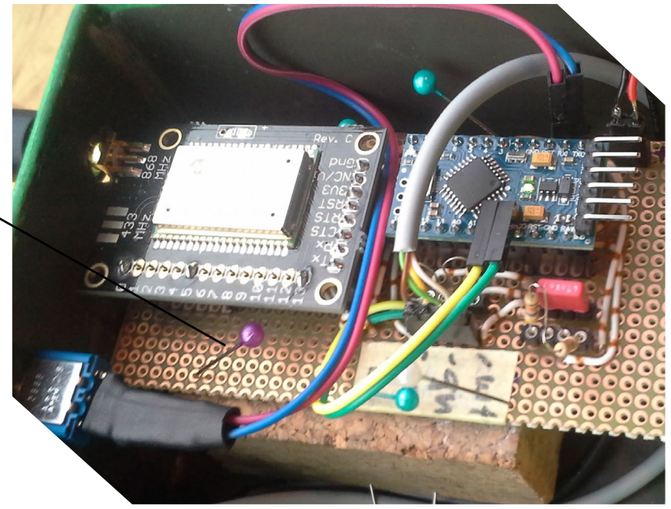
Mr Schneider - chief gardener at Sukkulentensammlung

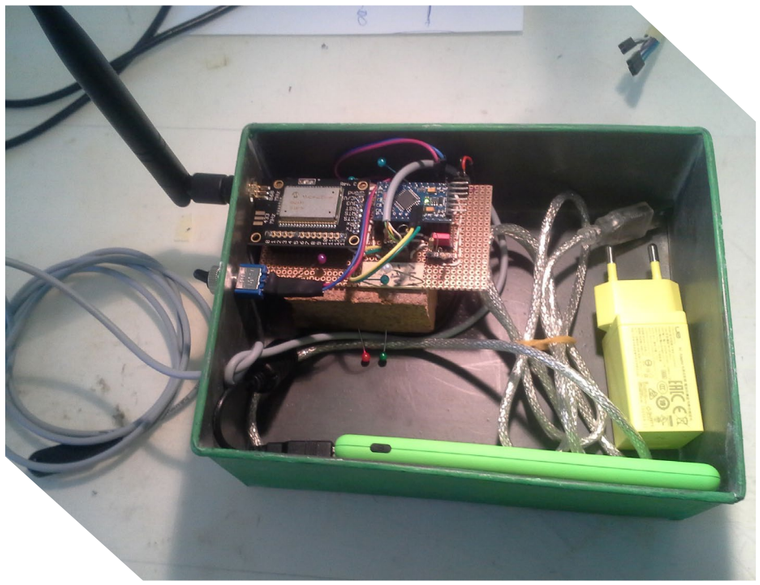
SUKKULENTENSAMMLUNG AT NIGHT

Checking TTN LoraWAN coverage

DESIGNING THE CASE

Check out the high tech pins!!!

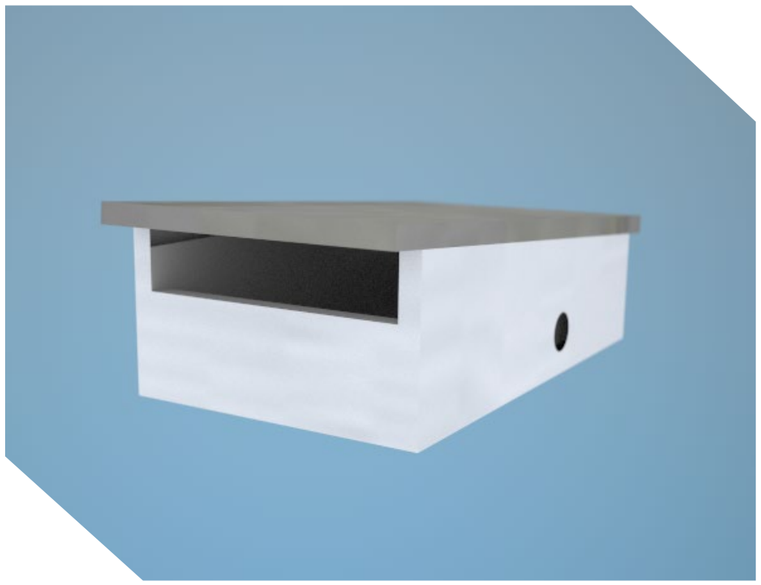


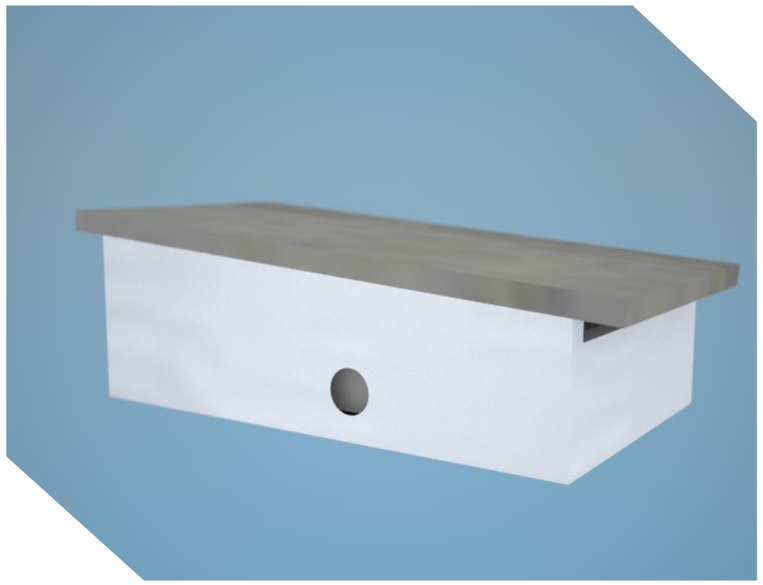


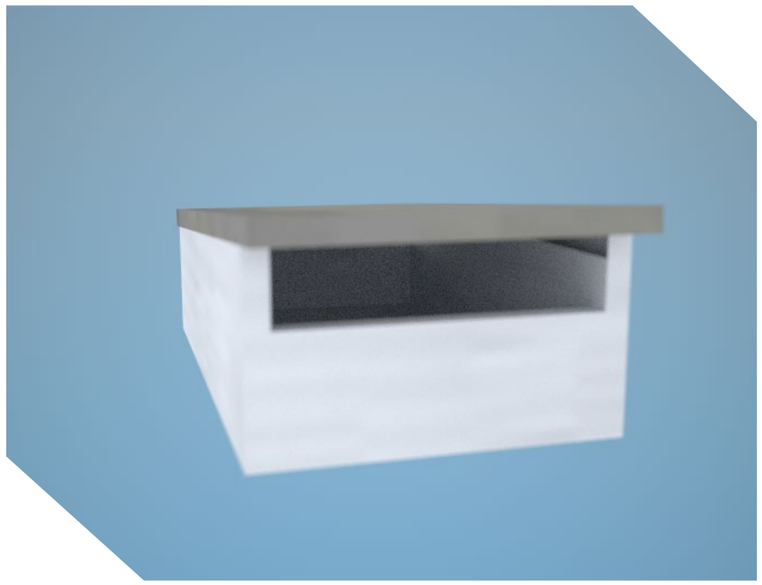
- Easily portable, usable and weatherproofed
- Openings for mechanical power switch
- Micro USB charger connection
- Antenna RMA connector

DESIGNING THE FUTURE CASE

3D printed



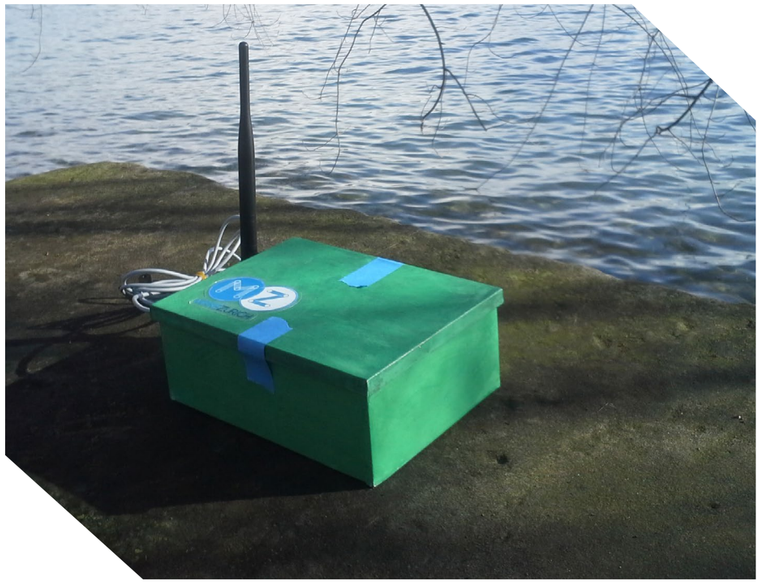




APPLYING THE HARD WORK

MAIN BENEFITS FOR GRÜN STADT ZÜRICH - SUKKULENTENSAMMLUNG

- Track data to assess the evolution of particular Sukkulentensammlung areas
- Sensors to trigger alarms at particular situations
- Save costs on labour and improve maintenance optimisation
- Predict future patterns based on the collections of data



BACKEND

Make Zurich Green Again | Live View | Historic Data

Temperature

20.26 C

Humidity

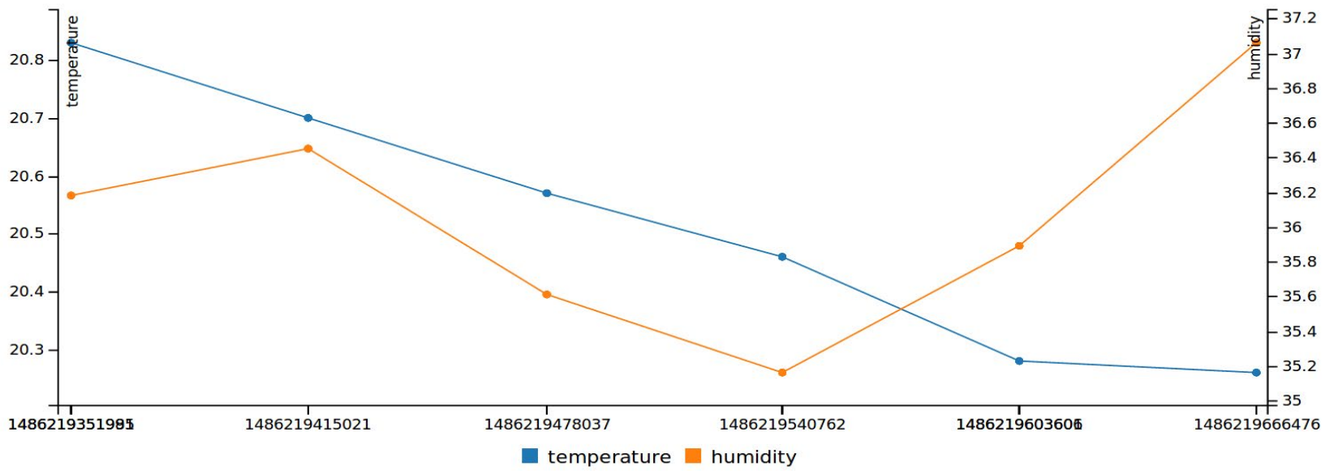
37.06 RH(%)

Battery

5 V

Last update: 2017-02-04T14:47:46.484Z

Graph



FURTHER APPLICATIONS

PERSONAL USE

- Control garden data while travelling
- Know what to do with your plants and when to do it
- Easily share information with professionals
(assessments for garden designs, correct maintenance, etc...)

Sukkulentensammlung

Hackathon Team

Giorgio, Patrick, Philip, Quim, Werner

THANK YOU

MAKE ZURICH

THE THINGS NETWORK

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Grün Stadt Zürich

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